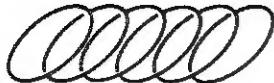
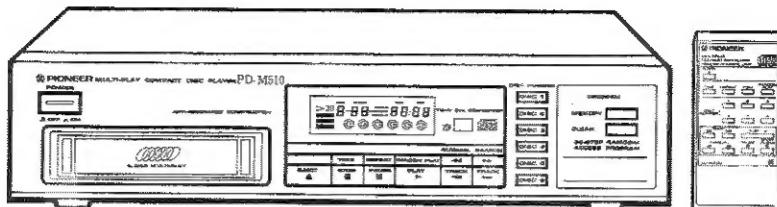


Operating Instructions

MULTI-PLAY COMPACT DISC PLAYER **PD-M510**



COMPACT
disc
DIGITAL AUDIO



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE [For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

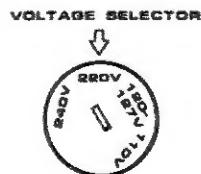
ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREEES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch. Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

 **PIONEER®**
The future of sound and vision.

IMPORTANT 1



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



CAUTION:
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK). NO
USER-SERVICEABLE PARTS INSIDE. REFER
SERVICING TO QUALIFIED SERVICE
PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Equipment sold in the U.K. is not supplied with a power plug.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

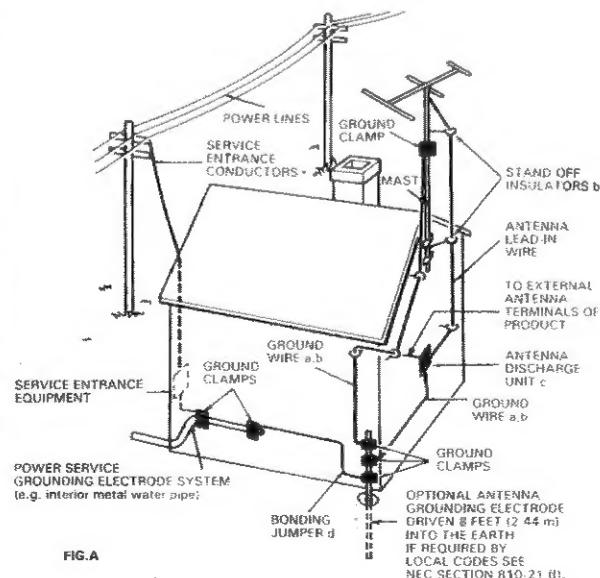
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



- a) Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 12 AWG (11.0 mm²) copper-clad steel, bronze wire, or larger as ground wire.
- b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- c) Mount antenna discharge unit as closely as possible to where lead-in enters house.
- d) Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna grounding electrode is used.

See NEC Section 810-21 (f).



CONTENTS

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[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player



[FOR U.S. MODEL]

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this equipment with respect to the receiver
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

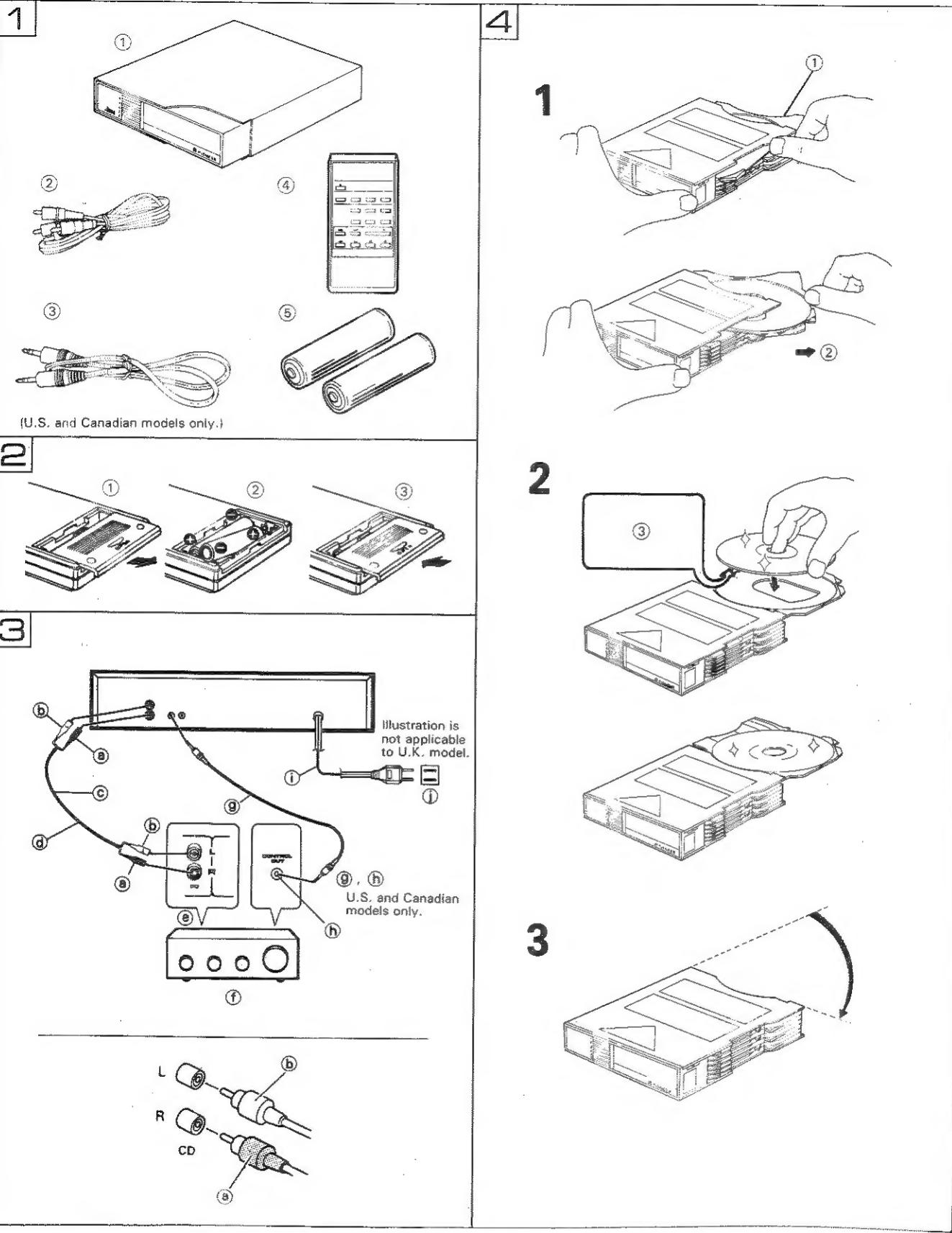
If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

[For Canadian model]

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.



FEATURES

Magazine type multiple compact disc player, enables six-disc selection in succession.

A CD player with digital filter and twin D/A converter system for quality sound and performance.

- Honeycomb chassis for high rigidity and suppression of resonance.
- High-performance, digital filter and independent left and right D/A converters.

Other convenient tape editing functions all equipped.

- 32-step programming enables selection of any track of 6 discs to be played in desired order.
- Features direct programming to add the track currently being played to the program by simply pressing PROGRAM MEMORY key.
- Features PAUSE programming for temporary stop.

Random playing

Tracks from set discs are played at random. If the repeat function is also used, it will be most effective as background music.

Multi-function fluorescent display indicates, disc mark, disc number, track number and elapsed time simultaneously.

Total time, remaining time on the tracks and remaining time on the disc are also displayed by switching.

High-performance pickup ensures highly accurate playback.

Timer start

If a disc is set on the disc tray beforehand, then the player will automatically start playing from the first track when the power is turned ON or when activated by a TIMER.

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.

Do not install the player in a location which is exposed to direct rays of the sun, or near to, hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)



- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.

CONDENSATION

When the player is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.



PRECAUTIONS REGARDING INSTALLATION

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.

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CAUTIONS REGARDING HANDLING

CARE OF DISCS

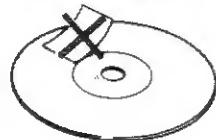
- With this player, use discs which display the mark shown below. (Optical audio digital discs.)



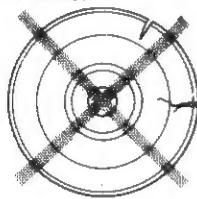
- When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.



- Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.



- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.



CLEANING DISCS

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals; but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.

Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.



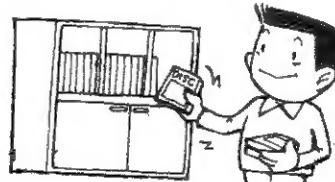
- If a disc becomes very dirty, wet a soft cloth in water. After wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.



STORING DISCS

(Storing without using the six-disc magazine)

- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars and on the seats being exposed to direct sunlight can be harmful.
- Always read and abide by the precautionary notes listed on the disc labels.



CLEANING THE PLAYER AND THE MAGAZINE

To clean the PLAYER and the MAGAZINE, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

BEFORE OPERATING PLAYER

CONFIRM SUPPLIED ACCESSORIES

- Refer to figure ① on page 4.
- ① SIX-COMPACT-DISC MAGAZINE × 1
(Called 6 disc magazine in the explanatory magazine.)
- ② Output cable × 1
- ③ Control cord × 1 (U.S. and Canadian models only)
- ④ Remote control unit × 1
- ⑤ Size AAA/R03 dry cell batteries × 2

PUT BATTERIES INTO REMOTE CONTROL UNIT

- Refer to figure ② on page 4.
- ① Remove the cover of the battery compartment on the reverse side of the remote control unit. This can easily be done by pressing down on the cover with your thumb and pulling it in the direction of the arrow.
- ② Take out the two size "AAA" [IEC R03 (UM-4)] dry cell batteries supplied and load them into the battery compartment, taking care to follow the markings on the compartment.
- ③ Replace the cover of the battery compartment.

NOTE:

- If the remote control unit will not be used for a long time (1 month or more), remove the batteries to avoid battery leakage. If fluid should ever leak from batteries, wipe away the fluid and then install new batteries.
- Do not put books etc. on top of the remote control unit. If keys are continuously depressed, the batteries will finish.
- If the operating range decreases, the batteries have probably finished. Replace with new batteries.

Incorrect use of batteries may result in leakage of fluid, explosion of batteries and other dangers. Please pay particular attention to the following points.

- Please correctly install batteries so that the (+) and (-) battery polarity matches with the (+) and (-) markings inside the battery case.
- Do not use different types of dry cell batteries together.
- The voltages of dry cell batteries may differ even though they are of the same size and shape. Please do not use different types of dry cell batteries together.

For U.S. customers only

You may purchase additional *JD-M100 or JD-M108 six-compact-disc magazines from your dealer. If however, they are not available at your dealer in the United States, you may order from:

PIONEER ELECTRONICS SERVICE, INC.
2265 East 220th Street
P.O. Box 1760, Long Beach
CA. 90801-1760
U.S.A.
Phone #(800)421-1404

INSERT DISCS INTO THE SIX-DISC MAGAZINE

- Refer to figure ④ on page 4.

Insert any discs which you may have into the supplied magazine. Up to six discs may be inserted. The numbering of the discs begins with 1 at the topmost tray, and then increases in order from 2 to 6 for the lower trays.

The magazine has a window through which the pulled-out disc tray can be checked. Even during playback, the number of the disc being played back can be checked through this window.

1. Pull out only one disc tray.
 - ① Disc tray
 - ② Make sure to pull out only 1 disc tray
2. Position discs with the label side downward.
 - ③ Label side downward
3. Put the disc tray back as it was originally.
4. Insert other discs by repeating steps 1 to 3.

NOTE:

- Please make sure to only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)
- If discs are inserted label side upward, it will not be possible for them to be played. Please make sure to insert them with the label side downward.
- Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.
- Do not touch the playing surface of discs (the iridescent side) with hands or fingers.

CONNECTIONS

- Refer to figure [3] on page 4.

- (a) Red
- (b) White
- (c) Output cable
- (d) Make sure not to connect to the record player input terminal (PHONO), as sound will be distorted and normal playback will not be possible.
- (e) CD or AUX terminals
- (f) Stereo amplifier
- (g) Control cord
- (h) Control Terminal
When using together with Pioneer products marked with the  mark, make connections with the supplied control cord. When this feature is not used, connection is not necessary.
- (i) Power cord
- (j) Household wall outlet

Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.

Connect the power cord

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

OPERATION BY REMOTE CONTROL (U.S. and Canadian models only)

When use is made of a stereo amplifier with the Pioneer  mark, connect the control terminal on the rear panel of this player to the corresponding terminal on the amplifier. This will enable the player to be controlled from a distance, with the remote control unit supplied with the amplifier.

- The remote control unit can be used for PLAY, STOP/CLEAR, PAUSE, TRACK SEARCH and DISC operations.
- The control cord is supplied with the player.
- For instructions regarding connection and operation, please refer to the operating instruction manual for your stereo amplifier.

NOTE:

- The player's remote sensor does not function when a plug is inserted in the CONTROL IN jack. To operate, point the remote control unit to the stereo amplifier.
- Make sure to connect CONTROL OUT jack to other components otherwise, unit does not function.

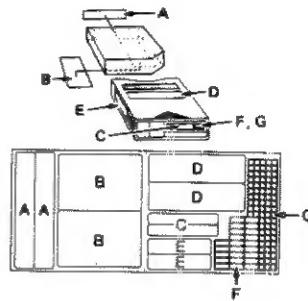
MAGAZINE

CAUTIONS REGARDING HANDLING OF MAGAZINES

- When inserting a magazine into the player, make sure that the direction of insertion is correct.
- After use, store in the case provided. Do not place in locations subjected to high temperatures or exposed to direct sunlight.
- Do not take magazines apart.
- Be careful not to drop or hit magazines against things. Also, do not apply strong force to trays which have been withdrawn.
- Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

AFFIXING LABELS TO SIX-DISC MAGAZINE

- When affixing the supplied labels, make sure to affix them to the specified positions. If labels or tape are affixed to other than the specified positions, the magazine and player may not operate correctly.



- Each label can be conveniently used as follows:

- A: Titles
- B: Names of stored discs and tracks
- C: Titles
- D: Names of stored discs
- E,F,G: Classification
- Do not affix one label on top of another.
(However, F and G may be affixed on top of label C.)

NOTE:

- In order to play an 8-cm CD you will need a special Multi-Play Magazine (JD-M108) which is sold separately. Be sure to thoroughly read the operating instructions before using it.
- 8-cm CD adaptors
It is possible that even an adaptor which meets recommended standard CD specifications will not be usable with the CD player. It is recommended that the special Multi-Play Magazine (JD-M108) be used.
- Never load an 8-cm CD or its adaptor into a standard 12-cm magazine. This may seriously damage the CD player.
- Do not install only an 8-cm disc or only the adaptor.

Additional magazines identical to the one supplied are available as options * (JD-M100, JD-M108).

Please use them to make your own disc library, with separate magazines for each artist or genre.

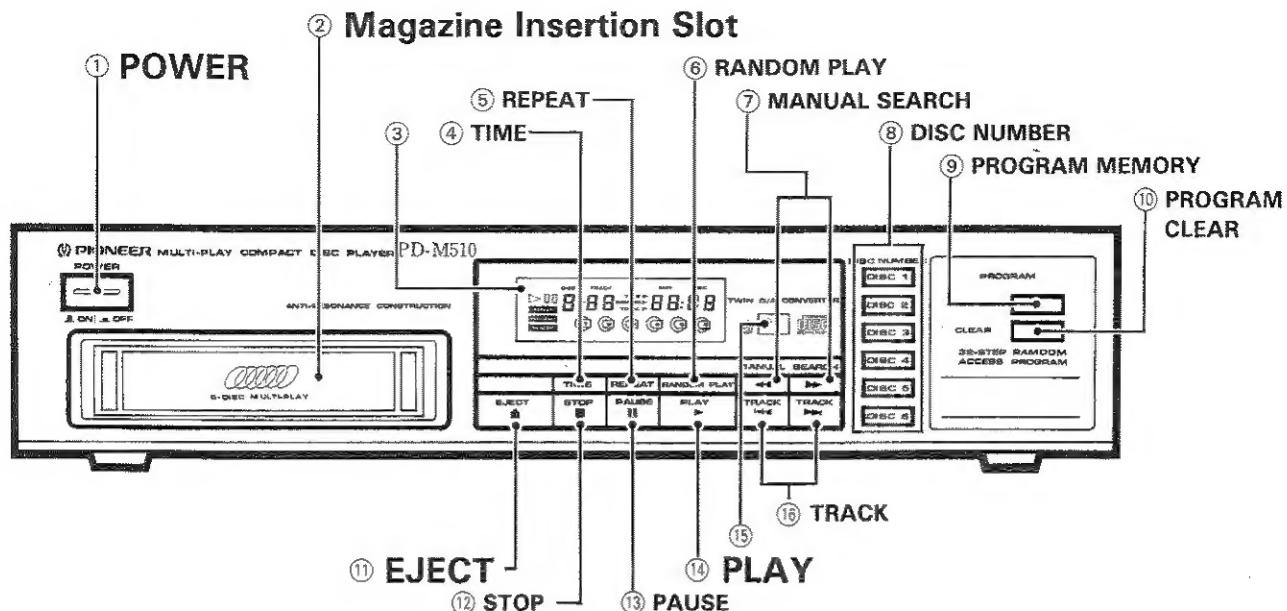
- * JD-M100 Magazine for six 12-cm discs.
- JD-M108 Magazine for six 8-cm discs.

NOTE:

Both 12-cm discs and 8-cm discs cannot be installed together in a magazine.

NAMES AND PARTS USES

FRONT PANEL



① POWER switch

Press to turn power to the unit ON and OFF.

② Magazine insertion slot

③ Indicators

- ▷ (PLAY) : Lights during playback.
- (PAUSE) : Lights during pause mode, when playback is temporarily interrupted.
- REPEAT : Lights during repeat playback.
- PROGRAM : Lights after programming (after program has been memorized).
- RANDOM : Lights during random playback.
- DISC : Indicates disc number (1–6) during playback or search.
- TRACK : Indicates track number (01–99) during playback or search.
- TIME/REMAIN/TOTAL
 - TIME : Changes each time the TIME key is pressed.
 - REMAIN : Displays the remaining time of the track being played and the playback time (minutes and seconds). When the TIME key is pressed again, the remaining time on the disc will be displayed.
 - TOTAL : Displays the total number of tracks on one disc (TRACK) and the overall playback time (MIN, SEC).

During programmed playback operation, displays the playing time, the remaining time of the track being played and the total program steps (TOTAL).

MIN

: Playing or remaining time for the track indicated by the minute.

SEC

: Playing or remaining time for the track indicated by the second.

DISC Symbol (○)

: If a nonexistent disc is searched for, the corresponding disc symbol will go off.

④ TIME key

- Use to select the method for displaying the playing time on the indicator panel.

Each time the key is pressed, the indication changes from TIME, REMAIN (track remain) and REMAIN (disc remain). This will not be displayed during programmed playback to TOTAL in that order. (For details concerning the display contents, refer to the explanation about the indicators.)

⑤ REPEAT key

Press to perform repeat playback.

⑥ RANDOM PLAY key

Press to begin random playback.

⑦ MANUAL SEARCH keys

When the player is in playback or pause modes, these keys are pressed to perform fast forward or reverse operations, to allow manual searching. These operations are done only during the time either key is pressed.

⑧ DISC NUMBER keys (1–6)

Use to select disc numbers for playback or programming.

NAMES AND USE OF PARTS

⑨ PROGRAM MEMORY key

Use to program a sequence of tracks.

⑩ PROGRAM CLEAR key

Press to clear program.

⑪ EJECT key

Press to eject a magazine. When pressed, any magazine inside is expelled forward.

⑫ STOP key (■)

Press to stop playback. When pressed, the player goes into stop mode and all operations stop.

When pressed during stop mode, the program stored in memory is cleared.

⑬ PAUSE key (■■)

Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

⑭ PLAY key (►)

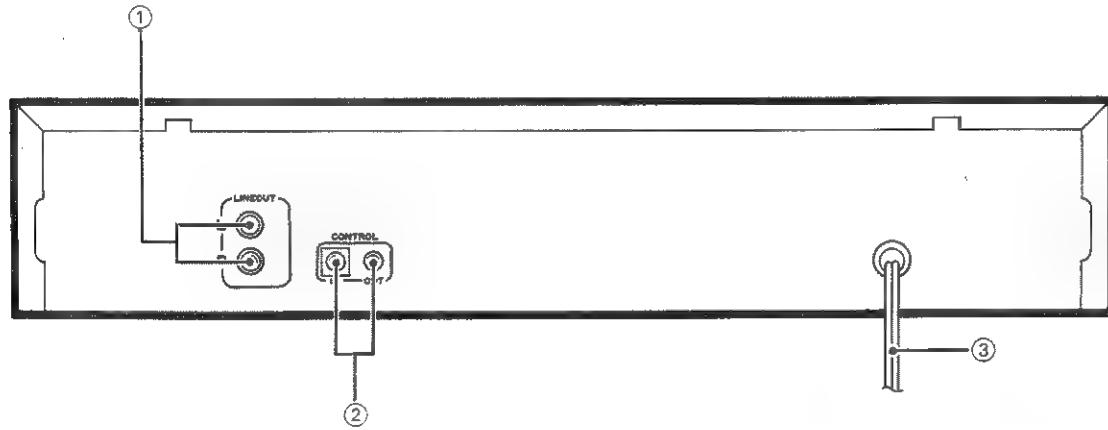
Press to begin playback, and to cancel the player from the pause mode.

⑮ Remote sensor

⑯ TRACK SEARCH keys

When the player is in the normal playback, programmed playback or pause modes, these keys are pressed to search for a desired track. Pressing either key causes the player to advance to the next track, or return to the previous track.

REAR PANEL



① LINE OUT terminal

② CONTROL IN terminal (U.S. and Canadian models only.)

This terminal is for inputting the remote control signals relayed from an amplifier or other component with a sensor for receiving control signals from a remote control unit and carrying the Pioneer SR mark. Please connect to the control output terminal of the other component.

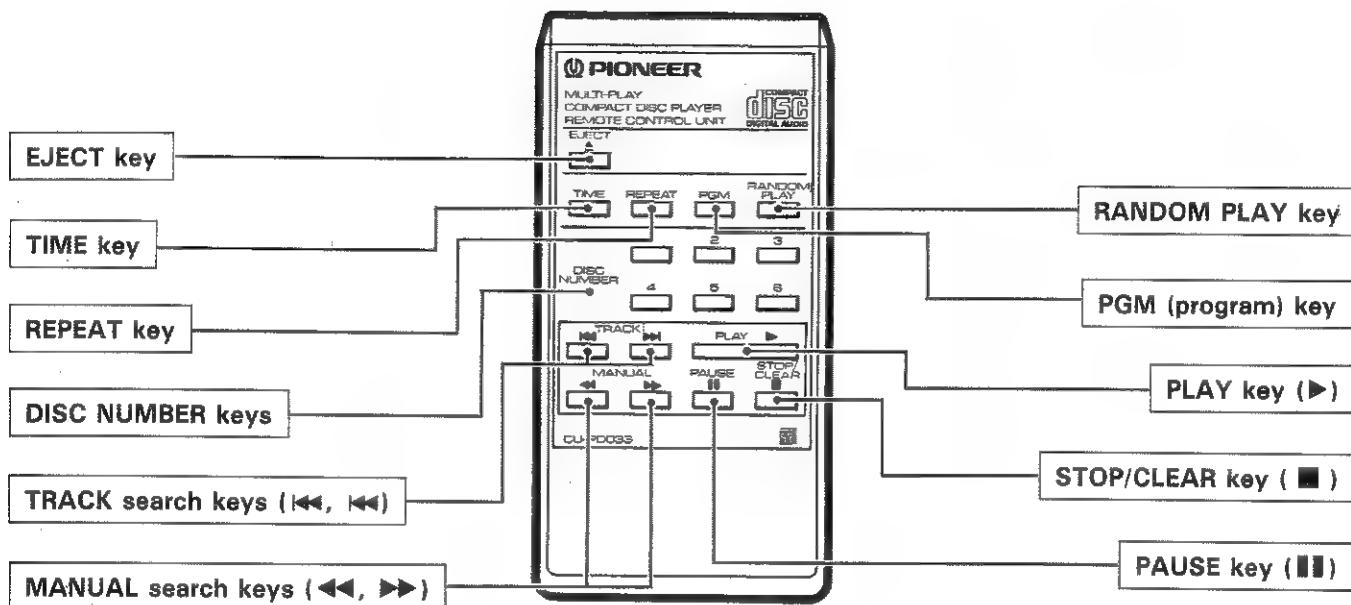
CONTROL OUT terminal (U.S. and Canadian models only.)

This terminal is for further relaying remote control signals to other components carrying the Pioneer SR mark. Please connect to the control input terminal of the other component.

③ Power cord

REMOTE CONTROL UNIT

Refer to player front panel section regarding other key functions not specified here.



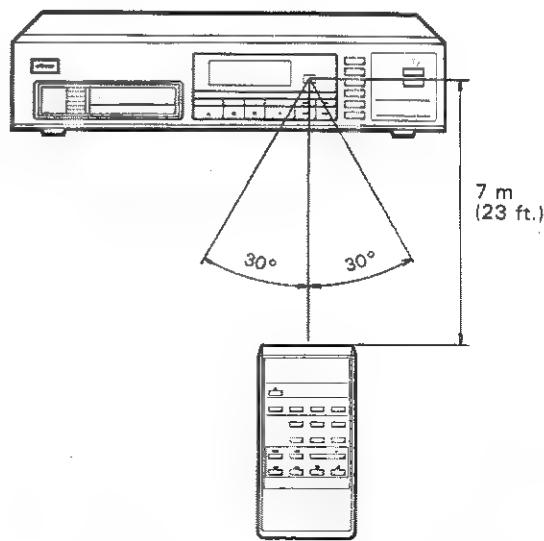
CAUTIONS REGARDING USE OF REMOTE CONTROL UNIT

If use is made of the supplied remote control unit, remote operation is possible.

To use the remote control unit, aim at the remote sensor.

The remote control unit can operate over a range of approximately 23 feet (7 meters), within angles of 30 degrees left and right.

- Even when the remote control unit is operated within the specified operating range, operation may not be successful if there are obstacles in the way, or if the angle is too great.
- Using the equipment near a device which emits infrared rays, or using another remote control unit which emits infrared rays, may result in misoperation. Conversely, use of the remote control unit when another device controlled by means of infrared rays is being used, may cause misoperation of that device.
- The life of the batteries used in the remote control unit will vary greatly depending on operating conditions, however when they begin to run down, the operating range will be reduced. When commands fail to be accepted when keys on the remote control unit are pressed, or when the operating range is greatly reduced, please replace the batteries.



OPERATION

(Inserting discs and a magazine.)

OPERATION PROCEDURES BEFORE PLAYBACK (Insertion of magazine or discs)

- All names of controls, indicators and front panel are accompanied by a number in a circle.

1. Push in the POWER switch ① and switch ON power.
2. Insert a magazine, pushing it in until a click sound is heard.
Please insert the discs you want to play into the magazine beforehand. (Refer to "BEFORE OPERATING PLAYER".)
3. Set your stereo amplifier controls for compact disc playback.
(For details refer to the operating instructions of your stereo amplifier.)

PROCEDURES AFTER PLAYING (Removal of magazine or discs)

1. Press the EJECT key ⑪ and eject the magazine.
2. Pull the magazine forward and remove it.
3. Push in the POWER switch ① to turn OFF power.

OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks, from the first track on the first disc, to the last track on the sixth disc.

Operation example

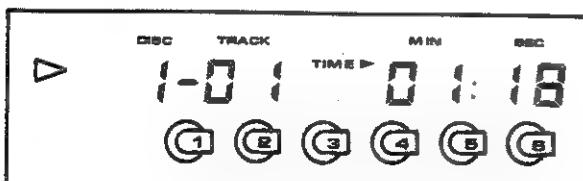
- Start playback

[POWER] → Insert the magazine (disc) → [PLAY]

1. Carry out "OPERATION PROCEDURES BEFORE PLAYBACK", and insert the magazine.
2. Press the PLAY key ⑭.

The PLAY (>) indicator will light, and playback will begin.

The indicators will display the disc number and track number currently being played and the elapsed playback time. This example shows the display when the first track of first disc is played.



- You can now enjoy the music after all controls have been set properly.

TO STOP PLAYBACK

[STOP] or [EJECT]

1. Press the STOP key ⑫ or the EJECT key ⑪.

- When the STOP key ⑫ is pressed, the player enters the stop mode. All operations stop, and the disc returns to the magazine.
- When the EJECT key ⑪ is pressed, the magazine ejects.

PAUSE OPERATION

Operation example

- To temporarily stop playback

[PAUSE]

- To resume playback

[PAUSE] or [PLAY]

1. With the player in the playback mode, press the PAUSE key ⑬.

The PAUSE (II) indicator will light, and the player will pause immediately.

2. To resume playback, press the PAUSE key ⑬ again, or the PLAY key ⑭.

TO SELECT A DESIRED DISC (DISC SELECT OPERATION)

1. During playback or stop mode, select a disc number with DISC NUMBER keys ⑧.
2. Press the PLAY key ⑭ to begin playback.

NOTE:

- During playback mode, the player will begin playback only press the DISC NUMBER key ⑧.
- With this operation, playback will begin from the first track on the specified disc.

Operation example

- During stop mode, to playback the second disc:

[DISC 2] → [PLAY]

NOTE:

- Performing a direct disc search during programmed playback causes the program to be cleared.
- Performing a direct disc search during random playback causes random playback to be cancelled.
- Playback from a direct disc or track search is not possible when a program is being input in stop mode.
- When there is no magazine inserted and the PLAY key ⑭ or RANDOM PLAY key ⑥ is pressed, "disc" will appear in the indicator for about 3 seconds.

TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed playback, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process when so desired.

- When the [▶] key ⑯ is pressed once, playback advances to the beginning of the next track. When pressed continuously, playback advances to the beginning of succeeding tracks. (During programmed play, playback advances to the beginning of the next programmed step.)
- When the [◀] key ⑯ is pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback shifts to previous tracks on the disc. (During programmed playback, playback returns to the previous programmed step.)

The disc number and track number of the track currently being searched for will be displayed on the indicator; watch this indicator while searching for the desired track.



FAST FORWARD AND REVERSE (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find a desired part. Listen to the sound from your speakers or headphones while performing the search. (During playback mode only.) When the key is released the player returns to its original mode (playback or pause).

During pause, high-speed search is possible. However, no sound will be output.

- When the [▶] key ⑦ is pressed, the player will advance quickly through the disc. If the end of the disc is reached, the player will enter the pause mode. (The word 'End' will be displayed by the indicator.)

The pause mode can be cancelled by pressing the [◀] key ⑦.

- When the [◀] key ⑦ is pressed, the player will reverse quickly through the disc. If the beginning of the disc is reached, the player will enter the playback mode.

During the search operation, the elapsed time will be displayed on the indicator; watch the indicator while searching for the desired part.



NOTE:

During programmed playback, fast forward and reverse operations will be effective only for the currently-playing track.

Also, when using the [▶] key ⑦, the player will enter the pause mode right before it goes to the next program step. When using the [◀] key ⑦, the player will enter the playback mode right before it goes to the previous programmed step.

OPERATIONS FOR REPEAT PLAYBACK

[REPEAT] → [PLAY] or [PLAY] → [REPEAT]

- With the player in the playback or stop mode, press the REPEAT key ⑤.

The REPEAT indicator will light.



- When the last track has been played back, playback will begin again from the first track.

Playback will be repeated until repeat playback is cancelled.

- During normal playback, all tracks on all discs in the magazine will be played back repeatedly. (All discs repeat)
- During programmed playback, the tracks programmed will be played back again in the order programmed. (Programmed repeat)
- When the RANDOM PLAY key ⑧ is ON during normal playback, after all the tracks on the discs are played at random, the same tracks will be played again at random. (Random repeat)

TO CANCEL THE REPEAT MODE

[REPEAT] or [STOP] or [EJECT]

- Press the REPEAT key ⑤ once again. The REPEAT indicator will go out, and the player will revert to the normal (or programmed) playback mode.
- Press the STOP key ⑫ or EJECT key ⑪. Playback will stop and the repeat mode will be cancelled simultaneously.

RANDOM PLAYBACK

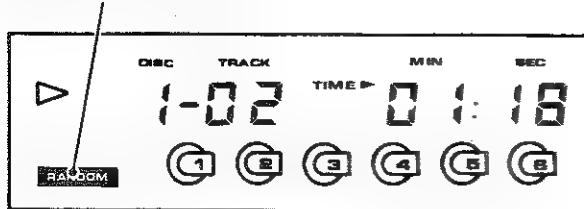
- Each track of all the discs set in the magazine will be played at random. After all the tracks have been played, the player will go in stop mode.

[RANDOM PLAY]

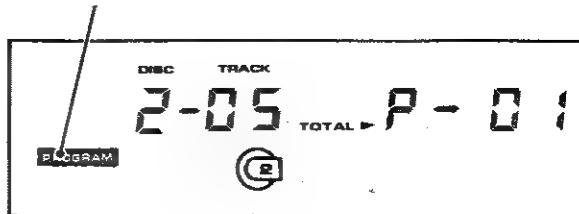
OPERATION

1. Press the RANDOM PLAY key ⑥.

Random playback will begin.
(The RANDOM indicator will light.)



The PROGRAM indicator will light.



2. Pressing the RANDOM PLAY key ⑥ once more will have the player select a track at random for playback.

To cancel random playback operation

[STOP] or [EJECT]

- Press the STOP key ⑫ or the EJECT key ⑪. Playback will stop and random playback operation will be cancelled simultaneously.
- Performing operations for playback from a direct disc search will also cancel random playback.

TO PLAYBACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

- With this function, you can play back the tracks on the discs in the magazine in any order desired.
- By specifying disc numbers from 1 to 6, and track numbers from 1 to 99, you can select up to 32 steps for playback in any order you like.

Memorizing a program

1. During stop mode, specify a disc with a DISC NUMBER key ⑧ and a track with TRACK SEARCH keys ⑯.

2. Press the PROGRAM MEMORY key ⑨.

If the PROGRAM MEMORY key ⑨ is pressed after a disc number only has been specified, all tracks on the disc will be added to the program.

3. Repeat procedures 1 and 2.

Repeat operations 1 and 2 for each track you want to be memorized, in the order in which you want the tracks to be played. The player can memorize up to 32 steps.

Each time you program a step, the indicator will display the program step and the programmed disc number and track number.

The figure below shows the display when the fifth track on the second disc is programmed as step 1.

Playback start

- Press PLAY key ⑭ to start playing in programmed order.
- Play ends.

When the last programmed track ends, the player goes to stop mode at the first programmed track position. The disc returns to the magazine.

Cancellation of programmed playback and clearing a program:

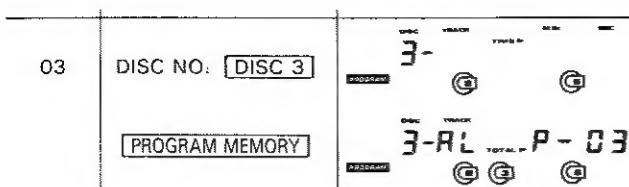
- Pressing the STOP key ⑫ will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the STOP key ⑫ once more.
- Press the EJECT key ⑪. When pressed during playback, the magazine will eject, and the program will be cleared.
- Carrying out operations for playback from a direct disc search will cause the program to be cleared.
- During programmed playback, if the PROGRAM CLEAR key ⑩ is pressed, the program will be cancelled and playback will continue in normal mode.

Operation examples

To playback the fifth track on the second disc, the third track on the fifth disc, and all of the third disc in that order:

- Memorize the program:

Step	Key operations	Indicator display
01	DISC NO. [DISC 2] Press [▶] 5 times [PROGRAM MEMORY]	2- @ @ @ @ @ 2-05 ... 00:00 @ @ @ @ @ @ 2-05 ... P-01 @
02	DISC NO. [DISC 5] Press [▶] 3 times [PROGRAM MEMORY]	5- @ 5-03 ... 00:00 @ 5-03 ... P-02 @



- To start play:
[PLAY] : ordinary program
- To stop playback
[STOP] : Playback stop (Program left intact.)
- To cancel playback and clear the program:
[STOP] — [STOP]

: Stops playback and clears the program.

[EJECT] : Stops playback, clears the program, and ejects the magazine.

[PROGRAM CLEAR]
: Clear the program.

TO PROGRAM A PAUSE OPERATION (OPERATIONS FOR PAUSE PROGRAM)

During programmed playback, these operations cause the player to pause at the beginning of tracks for which a pause has been specified.

Application Example 1:

When recording on both sides of a cassette tape, programming for a pause to occur after the completion of the last track, before the first side of the tape runs out. This will enable recording of the next track to begin after the tape has been turned over.

Application Example 2:

When recording on tape, program for pauses to occur between track. This will allow blank intervals or narration to be recorded on the tape, after which recording can be resumed.

Memorizing a pause program

- In stop mode, select disc and track numbers.
- Press the PROGRAM MEMORY key ⑨.
See "Memorizing a Program".
- Press the PAUSE key ⑯.
Perform procedures 3 and 4 to insert a pause at the beginning of the track selected after procedure 4. A pause is counted as a program step.
- Press the PROGRAM MEMORY key ⑨.
To enter another track into the program, repeat procedures 1 and 2 above. During playback, there will be a pause at the beginning of this track.
- Repeat operations 1 to 4.
Up to 32 steps can be programmed.

Method of playback

- Press the PLAY key ⑭ to begin playback.
The player will pause at the beginning of the track for which a pause has been specified.
- To resume playback, press the PLAY key ⑭ or PAUSE key ⑯.

Operation example

To program the player to playback the fifth track on the second disc, the third track on the fifth disc, and the eighth track on the third disc, with a pause before the last selection.

- Memorize the program:

Step	Key operations	Indicator display
01	DISC NO. [DISC 2] Press [▶] 5 times [PROGRAM MEMORY]	2- @ @ @ @ @ 2-05 --- 00:00 @ @ @ @ @ @ 2-05 TOTAL P- 0 1 @
02	DISC NO. [DISC 5] Press [▶] 3 times [PROGRAM MEMORY]	5- @ 5-03 --- 00:00 @ 5-03 P- 0 2 @ @
03	[PAUSE] [PROGRAM MEMORY]	00 5-03 TOTAL P- 0 2 @ @ PA P- 0 3 @ @ The PAUSE indicator lights The PAUSE indicator goes out
04	DISC NO. [DISC 3] Press [▶] 8 times [PROGRAM MEMORY]	3- @ @ 3-08 --- 00:00 @ @ 3-08 P- 0 4 @ @ @

- To start and resume playback:

[PLAY] — Player pauses after playing the third track on the fifth disc.

[PLAY] or [PAUSE] — Player resumes programmed playback.

OPERATION

PROGRAMMING DURING PLAYBACK

(Direct program)

- When the PROGRAM MEMORY key ⑨ is pressed during playback, the currently playing track will be programmed (Direct program).
- During playback, select the track number by the TRACK SEARCH keys ⑯. Then press the PROGRAM MEMORY key ⑨. The specified track on the disc being played will be added to the program.

The indicator will then display (for 5 seconds) the total number of steps programmed. To program a track of another disc, press the disc number key for the disc to be played.

NOTE:

Direct programming is not available during ordinary programmed playback, or random playback.

ABOUT TIMER START

When a magazine is properly loaded with discs and inserted into the player, playback will begin automatically when the power is turned on.

If an audio timer is used, the player can be made to start playing from a specified time.

Playback will start from the first disc, the first track.

NOTE:

- When using an audio timer, leave the POWER switch ① of the player turned ON.
- The timer is activated approximately 5 seconds after the power is turned on.
- If you operate the player by pressing any of the function keys before timer start, timer start will not occur.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Magazine is not expelled when EJECT key ⑪ is pressed.	<ul style="list-style-type: none"> Power plug is disconnected from outlet. POWER switch ⑩ is OFF. 	<ul style="list-style-type: none"> Connect plug to amplifier or wall outlet. Press POWER switch ⑩ to ON.
When playback is started, it stops immediately. Pauses or stops during playback.	<ul style="list-style-type: none"> Disc is loaded upside down. Smudges on the disc, etc. 	<ul style="list-style-type: none"> Load the disc correctly with the label side downward. Press the PLAY ⑭ or PAUSE key ⑬. Clean the fog from the disc and then play it again.
No sound	<ul style="list-style-type: none"> Output cords are connected incorrectly or loosely. Incorrect operation of stereo amplifier. Pin plugs and/or amplifier terminals are dirty. Player is in pause mode. 	<ul style="list-style-type: none"> Connect properly. Check the settings of amplifier switches and sound volume controls. Clean away dirt. Press the PLAY key ⑭.
Sound is distorted, noise is output.	<ul style="list-style-type: none"> Incorrect connections. Pin plugs and/or amplifier terminals are dirty. Interference is being picked up from a TV set. 	<ul style="list-style-type: none"> Connect to amplifier AUX or CD terminals. Do not connect to PHONO terminals. Clean away dirt. Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	<ul style="list-style-type: none"> Disc has a bad scratch or warp. Disc is extremely dirty. 	<ul style="list-style-type: none"> Replace the disc. Clean disc.
Remote control will not function.	<ul style="list-style-type: none"> Dead batteries. Too far from player or wrong angle. Obstruction between player and remote control unit. 	<ul style="list-style-type: none"> Replace batteries. The distance between remote control unit and player should be no more than about 7 meters. The operational angle against the front panel is within 30° from right or left end of player. Relocate remote control unit or remove obstruction.

SPECIFICATIONS

1. General

Type	Compact disc digital audio system
Power requirements	
European models	AC 220V, 50/60Hz
U.K., Australian models	AC 240V, 50/60Hz
U.S., Canadian models	AC 120V, 60Hz
Other models	AC 110/120—127/220/240V (switchable) 50/60Hz
Power consumption	11W
Operating temperature	+5°C—+35°C (+41°F—+95°F)
Weight	4.9kg (10lb 13oz)
External dimensions	420(W) × 325(D) × 90(H) mm 16-9/16(W) × 12-13/16(D) × 3-9/16(H) in

2. Audio section

Frequency response	4Hz—20kHz (± 0.5 dB) (EIAJ)
SN ratio	more than 102dB (EIAJ)
Dynamic range	more than 90dB (EIAJ)
Channel separation	more than 94dB (EIAJ)
Output voltage	1.8V
Wow and flutter	less than ($\pm 0.001\%$ W.PEAK) (below measurable level) (EIAJ)
Channels	2-channel (stereo)

3. Output Terminal

Audio line output
Control input/output terminals (U.S. and Canadian models only.)

4. Functions

Number of discs to be stored — maximum 6.

Basic operation keys

- PLAY, PAUSE, STOP

Search function

- Disc selection (6 keys)
- Manual search
- Track search

Programming

- Maximum 32 steps
- Pause
- Direct programming
- Program clear

Timer start

- Timer start play

Repeat functions

- All-discs repeat
- Program repeat
- Random play repeat

Random Play

- Random play

Switching display

- Time consumed, remaining time, and total time

5. Display

FL tube display

- Passing time display (min, sec)
- Remaining time display
- Total time display
- Disc number, track number
- Program step number
- Program indicator
- Repeat indicator
- Random play indicator
- Play indicator
- Pause indicator
- Disc mark

6. Accessories

● Remote control unit	1
● Size AAA/R03 dry cell batteries	2
● Six-compact-disc magazine	1
● Control cord (U.S. and Canadian models only.)	1
● Output cable	1
● Operating instructions	1

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.

The Magazine Type Multi-Play CD Players with  mark and the Magazines with the same mark are compatible for 5-inch (12cm) discs.